

### **ABSTRACT OF THE DISCLOSURE**

A method of reducing artifacts in an image previously processed by block transform encoding may comprise the steps of:

- determining block boundaries;
- 5 determining an approximate metric of artifact visibility;
- optionally interpolating across block boundaries;
- adaptively filtering luminance;
- optionally adaptively filtering chrominance;
- adaptively adjusting local saturation variation; and
- 10 adaptively simulating high spatial frequency image detail;

wherein the adaptive steps are executed to an extent or in an amount depending on the metric or standard or measurement of artifact visibility.